

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060922\  
 Data File : VX029360.D  
 Acq On : 09 Jun 2022 21:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/10/2022  
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 10 08:11:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060722W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 08 03:00:38 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| -----                        |                |      |            |         |       |          |
| Internal Standards           |                |      |            |         |       |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 189956     | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 312435     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 331852     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 207693     | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 141569     | 48.922  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 97.840% |       |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 121187     | 45.625  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 91.260% |       |          |
| 50) Toluene-d8               | 8.653          | 98   | 416139     | 44.298  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 88.600% |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 176938     | 48.130  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 96.260% |       |          |
| Target Compounds             |                |      |            |         |       |          |
|                              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 152309     | 50.510  | ug/l  | 100      |
| 3) Chloromethane             | 1.288          | 50   | 153003     | 47.542  | ug/l  | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 169171     | 50.649  | ug/l  | 99       |
| 5) Bromomethane              | 1.605          | 94   | 78564      | 43.915  | ug/l  | 99       |
| 6) Chloroethane              | 1.685          | 64   | 104456     | 77.665  | ug/l  | 95       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 248368     | 51.027  | ug/l  | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 99897      | 52.656  | ug/l  | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 145076     | 49.451  | ug/l  | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 183950     | 50.791  | ug/l  | 95       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 168660     | 208.494 | ug/l  | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 140973     | 49.368  | ug/l  | 99       |
| 13) Acrolein                 | 2.240          | 56   | 69988      | 199.514 | ug/l  | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 231518     | 50.509  | ug/l  | 96       |
| 15) Acrylonitrile            | 3.069          | 53   | 445080     | 246.272 | ug/l  | 100      |
| 16) Acetone                  | 2.386          | 43   | 371068     | 241.474 | ug/l  | 95       |
| 17) Carbon Disulfide         | 2.514          | 76   | 330483     | 47.019  | ug/l  | 100      |
| 18) Methyl Acetate           | 2.709          | 43   | 211981     | 52.068  | ug/l  | 97       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 531973     | 53.967  | ug/l  | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 162776     | 47.433  | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 158508     | 49.458  | ug/l  | 98       |
| 22) Diisopropyl ether        | 3.764          | 45   | 489257     | 52.877  | ug/l  | 90       |
| 23) Vinyl Acetate            | 3.727          | 43   | 2080558    | 271.236 | ug/l  | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 285717     | 51.197  | ug/l  | 100      |
| 25) 2-Butanone               | 4.562          | 43   | 615716     | 253.295 | ug/l  | 98       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 206346     | 51.863  | ug/l  | 100      |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 190023     | 50.124  | ug/l  | 96       |
| 28) Bromochloromethane       | 4.904          | 49   | 113078     | 51.543  | ug/l  | 96       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 405828     | 256.169 | ug/l  | 93       |
| 30) Chloroform               | 5.099          | 83   | 309260     | 51.353  | ug/l  | 99       |
| 31) Cyclohexane              | 5.477          | 56   | 258394     | 50.178  | ug/l  | 96       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 276150     | 53.224  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 226647     | 51.655  | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.721          | 43   | 237926     | 52.532  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 232171     | 51.770  | ug/l  | 99       |
| 39) Methylcyclohexane        | 7.385          | 83   | 275525     | 50.982  | ug/l  | 97       |
| 40) Benzene                  | 6.044          | 78   | 659264     | 50.471  | ug/l  | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/10/2022  
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 10 08:11:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060722W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 08 03:00:38 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 129312   | 53.770  | ug/l  | 95       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 240153   | 52.929  | ug/l  | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 371507   | 54.599  | ug/l  | 98       |
| 44) Trichloroethene           | 7.129  | 130  | 182116   | 51.209  | ug/l  | 94       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 165662   | 51.586  | ug/l  | 96       |
| 46) Dibromomethane            | 7.586  | 93   | 120660   | 51.865  | ug/l  | 93       |
| 47) Bromodichloromethane      | 7.824  | 83   | 231728   | 52.774  | ug/l  | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 185818   | 54.297  | ug/l  | 92       |
| 49) 1,4-Dioxane               | 7.678  | 88   | 82806    | 940.643 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 1203622  | 270.288 | ug/l  | 97       |
| 52) Toluene                   | 8.720  | 92   | 439433   | 52.407  | ug/l  | 96       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 246450   | 51.577  | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 267640   | 54.292  | ug/l  | 93       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 177315   | 52.277  | ug/l  | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 280958   | 56.937  | ug/l  | 92       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 294967   | 51.592  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 639541   | 266.784 | ug/l  | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 925861   | 273.459 | ug/l  | 94       |
| 60) Dibromochloromethane      | 9.525  | 129  | 176989   | 53.937  | ug/l  | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 190395   | 52.628  | ug/l  | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 169412   | 53.828  | ug/l  | 96       |
| 65) Chlorobenzene             | 10.080 | 112  | 464172   | 50.738  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 169803   | 53.325  | ug/l  | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 843780   | 52.482  | ug/l  | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 657768   | 105.744 | ug/l  | 97       |
| 69) o-Xylene                  | 10.647 | 106  | 326079   | 53.946  | ug/l  | 98       |
| 70) Styrene                   | 10.659 | 104  | 548977   | 54.419  | ug/l  | 98       |
| 71) Bromoform                 | 10.799 | 173  | 120095   | 53.103  | ug/l  | 100      |
| 73) Isopropylbenzene          | 10.964 | 105  | 862935   | 52.777  | ug/l  | 98       |
| 74) N-amyl acetate            | 10.848 | 43   | 309681   | 55.946  | ug/l  | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 266733   | 48.337  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 246340m  | 50.780  | ug/l  |          |
| 77) Bromobenzene              | 11.201 | 156  | 197329   | 51.398  | ug/l  | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 978985   | 52.764  | ug/l  | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 592990   | 51.899  | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 731792   | 52.709  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 67073    | 43.307  | ug/l  | 90       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 685408   | 51.970  | ug/l  | 99       |
| 83) tert-Butylbenzene         | 11.720 | 119  | 698847   | 51.877  | ug/l  | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 732375   | 53.444  | ug/l  | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 873695   | 52.816  | ug/l  | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 747628   | 53.910  | ug/l  | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 374483   | 51.109  | ug/l  | 97       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 372798   | 50.027  | ug/l  | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 636045   | 54.400  | ug/l  | 99       |
| 90) Hexachloroethane          | 12.543 | 117  | 112223   | 50.900  | ug/l  | 90       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 366601   | 50.461  | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 58827    | 51.256  | ug/l  | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 224082   | 52.257  | ug/l  | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 88519    | 49.654  | ug/l  | 95       |
| 95) Naphthalene               | 13.780 | 128  | 841581   | 55.608  | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 228231   | 53.377  | ug/l  | 94       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/10/2022  
Supervised By :Mahesh Dadoda 06/10/2022

Quant Time: Jun 10 08:11:10 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X060722W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 08 03:00:38 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

